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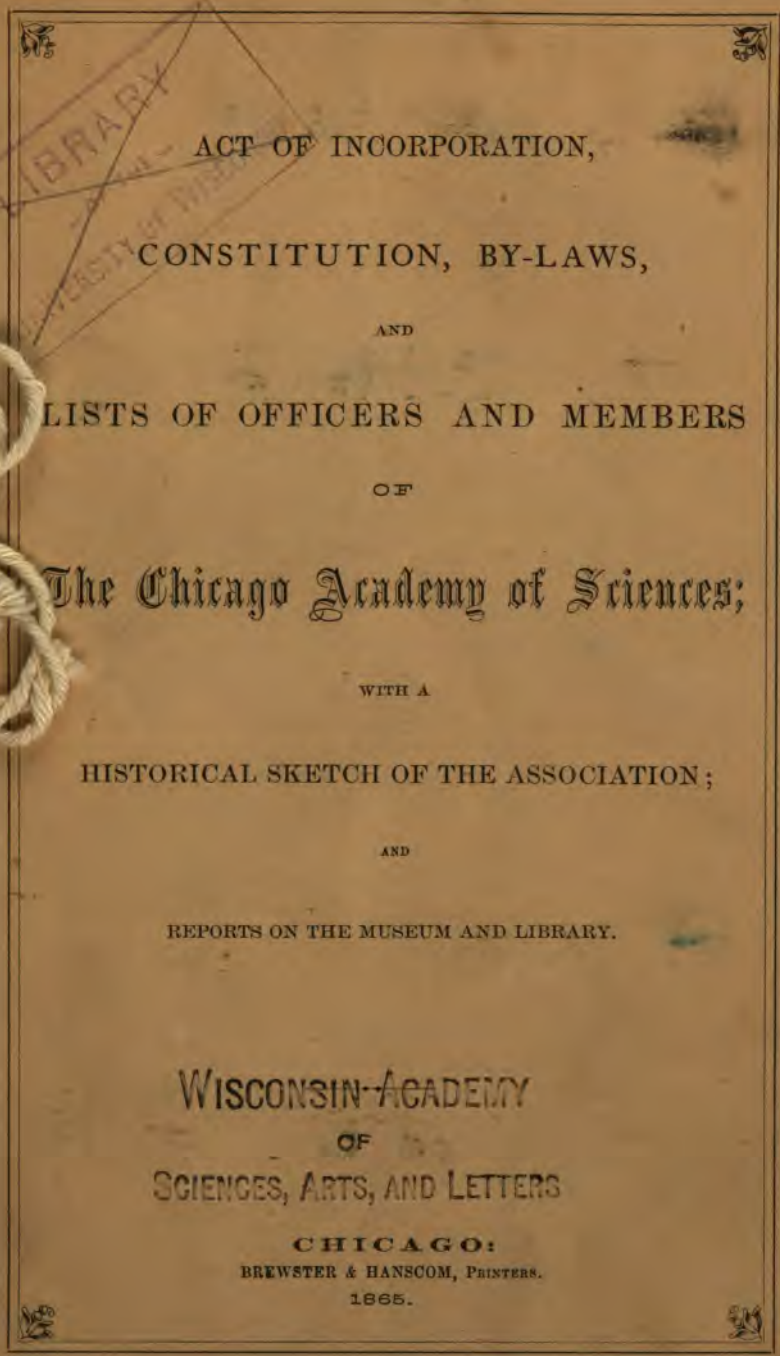
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ACT OF INCORPORATION,  
CONSTITUTION, BY-LAWS,

AND

LISTS OF OFFICERS AND MEMBERS

OF

The Chicago Academy of Sciences;

WITH A

HISTORICAL SKETCH OF THE ASSOCIATION;

AND

REPORTS ON THE MUSEUM AND LIBRARY.

WISCONSIN ACADEMY  
OF  
SCIENCES, ARTS, AND LETTERS

CHICAGO:  
BREWSTER & HANSCOM, PRINTERS.  
1865.



ACT OF INCORPORATION,  
CONSTITUTION, BY-LAWS,  
AND  
LISTS OF OFFICERS AND MEMBERS  
OF  
**The Chicago Academy of Sciences;**  
WITH A  
HISTORICAL SKETCH OF THE ASSOCIATION,  
AND  
REPORTS ON THE MUSEUM AND LIBRARY.

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CHICAGO:  
BREWSTER & HANSCOM, PRINTERS.  
1865.



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## AN ACT

TO INCORPORATE

### THE CHICAGO ACADEMY OF SCIENCES.

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Whereas, An Association has heretofore been formed in the City of Chicago, called "The Chicago Academy of Sciences," the object of which is the increase and diffusion of scientific knowledge, by a museum, a library, by the reading and publication of original papers, and by such other suitable methods as shall from time to time be adopted,

Now therefore, in order to encourage and promote the above-declared objects of the said Association:

SECTION 1. Be it enacted by the People of the State of Illinois, represented in the General Assembly; That J. Young Scammon, George C. Walker, Horatio G. Loomis, Daniel Thompson, Edmund Aiken, Ezra B. McCagg, Eliphallet W. Blatchford, William E. Doggett, Robert Kennicott, Edmund Andrews, Hosmer A. Johnson, Oliver F. Fuller, James W. Freer, William Bross, James V. Z. Blaney, Benjamin F. Culver, and their associates and successors forever, are hereby declared and created a body corporate by the name and style of "The Chicago Academy of Sciences," and

by that name shall have perpetual succession, shall be capable in law to contract and be contracted with, sue and be sued, implead and be impleaded, within all courts of competent jurisdiction; may receive, acquire and hold real and personal property and effects, and may sell and dispose of the same at pleasure; may have a common seal and alter the same at their pleasure; may make such constitution, regulations, and by-laws, as may be requisite for its government, and for carrying out the objects of the Association, and not contrary to the laws of the land, and may alter the same at their pleasure.

SECTION 2. The Constitution and by-laws of said Association now in operation, shall govern the corporation hereby created until regularly altered or repealed by the Association; and the present officers of said Association shall be officers of the corporation hereby created, until their respective terms of office shall regularly expire or be vacated.

SECTION 3. All the money, property, and effects of said "The Chicago Academy of Sciences" shall be held and managed by, and the title thereto, as also the title to all the real estate owned or to be owned by said Academy of Sciences, shall be vested in the Board of Trustees, from time to time being, as provided in the Constitution of said Academy of Sciences; and all contracts and conveyances of said Academy of Sciences, to be binding, shall be executed by the President and Secretary of the Board of Trustees.

SECTION 4. This Act shall be a public Act, and shall be in force from and after its passage.

ALLEN C. FULLER,  
*Speaker of the House.*

WM. BROSS,  
*Speaker of the Senate.*

Approved Feb. 16th, 1865.

RICHARD J. OGLESBY.

UNITED STATES OF AMERICA, }  
STATE OF ILLINOIS. } ss.

I, Sharon Tyndale, Secretary of State of the State of Illinois, do hereby certify that the foregoing is a true copy of an enrolled law now on file in my office. In witness whereof I have hereunto set my hand, and affixed the Great Seal of State, at the City of Springfield, this 7th day of March, A. D. 1865.

SHARON TYNDALE,

*Secretary of State.*

[L. S.]



CONSTITUTION AND BY-LAWS  
OF  
THE CHICAGO ACADEMY OF SCIENCES

---

CONSTITUTION.

---

NAME OF THE SOCIETY.

I. This Society shall be called **THE CHICAGO ACADEMY OF SCIENCES.**

OBJECTS OF THE SOCIETY.

II. The objects of this Society shall be the increase and diffusion of scientific knowledge, by a museum, a library, the reading and publication of original papers, and other suitable means.

MEMBERSHIP.

III. The Academy shall consist of Members, Corresponding Members and Honorary Members.

IV. *Honorary Members* shall have all the privileges of the Academy, except the right of voting and of holding office.

V. *Corresponding Members* shall have all the privileges of the Academy, except the right of voting and of holding office; and in case of their becoming citizens of Chicago, shall become members.

VI. Candidates for admission into the Academy, whether as members, or corresponding or honorary members, must be proposed in writing by two members at a business meeting, and be balloted for at the next meeting,—any candidate receiving three negative ballots being rejected. A rejected candidate shall not be eligible for membership under one year.

VII. Any member may be expelled for cause, or be removed from office, after due hearing, by a two-thirds vote of the members present.

#### OFFICERS.

VIII. The officers of the Academy shall be a President, two Vice-Presidents, a Secretary, and a Librarian, who shall be elected at the annual meeting, on the second Tuesday in January, and who shall hold their offices for one year, or until their successors are elected and qualified.

IX. All the above-named officers shall be chosen by ballot.

X. Vacancies occurring from any cause in any of the regular offices of the Academy shall be filled by ballot at any regular meeting, notice of such election being given by the Secretary.

XI. No member shall be allowed to vote unless he shall have paid all his dues, and attended two regular meetings of the Academy within the previous six months, unless prevented by sickness or absence from the city.

#### BOARD OF TRUSTEES.

XII. All the money, property and effects of this Academy of Sciences shall be held and managed by, and the title thereto, as also the title to all the real estate owned by said Academy of Sciences, shall be vested in, ten Trustees.

XIII. Each Trustee shall hold his office for life, unless he shall permanently remove from the city of Chicago, in which event his term of office shall expire, or unless he shall be removed as hereinafter stated.

XIV. The first Board of Trustees shall consist of the following named persons: J. Young Scammon, George C. Walker, Horatio G. Loomis, Daniel Thompson, Edmund Aiken, Ezra B. McCagg, Eliphalet W. Blatchford, William E. Doggett, Robert Kennicott, and one other person to be appointed by a majority of the persons above named.

XV. Said Board shall at once organize by the appointment of a temporary Chairman and Secretary, after which said Board shall perfect its own plan of permanent organization and elect its own officers. Any plan of permanent organization adopted by said Board of Trustees may be changed or altered by said Board from time to time as it shall see fit.

XVI. Vacancies in the Board, in whatever way occasioned, shall be filled by the Academy by election by ballot, upon nomination by the Board of Trustees;—a majority of the members of the Academy present and voting at the next regular meeting after a vacancy occurs, being necessary and sufficient for the election of a Trustee or Trustees to fill such vacancy. *Provided*, that no person shall be elected a Trustee unless first nominated by the Board of Trustees.

XVII. Any Trustee may be removed with the concurrence of a majority of the Trustees, if two-thirds of all the members of the Academy, at any regular meeting of the Academy, the ayes and nays being called, shall so vote and determine.

XVIII. Said Board of Trustees shall have full and exclusive power and authority to manage, control, and employ the money, finances, and property of said "The Chicago Academy of Sciences." But the regular officers of said Academy may at all times make such rules and regulations as by them shall be deemed proper, relative to the use of the museum and scientific property and effects of said Academy, with no authority to remove the same, or any part thereof, out of the rooms or building provided by said Board of Trustees.

XIX. Said Board of Trustees shall determine upon its own plan of organization, and all its official acts, evidenced in the manner by it designated, shall bind the Academy.

XX. No provision of this Constitution relative to said Board of Trustees shall be changed or altered, anything in this Constitution contained to the contrary notwithstanding, without the consent of said Board of Trustees.

XXI. All initiation fees, annual assessments, and dues shall be paid to the Treasurer of the Board of Trustees, as they become due, without notice; and any member except life members, who shall fail or neglect to pay his initiation fee, or any annual assessment or dues, for the space of six months after the same, or any one of the same, shall become due, shall, if a majority of the members present at any regular meeting after the same has become due and remained unpaid as aforesaid, so determine, forfeit his membership and all rights and interests in said "The Chicago Academy of Sciences" and its property and museum. And the record in the minutes of said Academy of Sciences of such default and vote shall be *prima facie* evidence that the membership of the person or persons named in such record, as having forfeited his or their membership for a default as aforesaid, is determined and ended.

XXII. The Director of the Museum and the Curator shall be appointed by the Board of Trustees, and shall continue in office until removed by said Board. Their duties shall be determined by said Board of Trustees.

XXIII. No compensation shall be paid to any person whatever, and no expenses incurred for any person whatever, except under the authority of the Board of Trustees.

#### ALTERATION OF THE CONSTITUTION.

XXIV. Every proposition to alter or amend the Constitution shall be submitted in writing at a regular meeting, and if two-thirds of the members present at the next regular meeting vote in the affirmative, it shall be adopted.

## BY-LAWS.

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### MEETINGS.

I. The regular meetings of this Academy shall be held on the second Tuesday of each month. The hour to be designated by the Secretary in the notice of the meeting.

### DUTIES OF OFFICERS.

II. The President shall preside at all the meetings of the Academy, and call such special meetings as he may deem necessary, or as he may be requested to call by any five members.

III. The Vice-Presidents shall perform the duties of the President in case of his absence.

IV. The Secretary shall keep a record of the proceedings of the Academy; shall notify all members of their election, and all committees of their appointment; shall keep a correct list of all the members of the Society, with the date of their election, resignation or death; shall have charge of the Seal of the Academy; and shall notify all members residing in Chicago of the meetings. He shall also have charge of the correspondence not otherwise provided for, and shall make a report of all communications received or written by him for the Society at each meeting.

V. The Librarian shall have charge of the library.

VI. The Director of the Museum shall have charge of the museum.

**COMMITTEES.**

VII. There shall be a Standing Committee of three on each of the following subjects: Zoology, Ethnology, Entomology, Botany, Geology, Chemistry, Physics, Publication, Library and Finance, which Committees shall be elected by ballot. All standing committees shall report in writing.

**MUSEUM AND LIBRARY.**

VIII. No books shall be taken from the library, or specimens from the museum.

**FINANCES.**

IX. Every member elect shall pay an initiation fee of ten dollars, also an annual assessment of five dollars within three months after the annual meeting.

X. Any person paying five hundred dollars (\$500.00) into the hands of the Treasurer shall be exempt from all future dues, and shall be entitled to a perpetual membership in the Society.

**WITHDRAWAL OF MEMBERS.**

XI. Any member may withdraw from the Academy, provided he can produce a certificate from the Treasurer that all arrearages due from him to the Academy have been paid.

**ORDER OF BUSINESS.**

XII. The order of business at meetings shall be as follows:

- Calling roll of members.
- Reading minutes of previous meeting.
- Reception of donations.
- Reports of Committees.
- Correspondence.
- Deferred business.
- New business.
- Reading and discussion of scientific papers.

**ALTERATION OF BY-LAWS.**

**XIII.** The By-Laws may be suspended by an unanimous vote, and in case of the order of business a majority may suspend. They may be amended in the same manner as is provided for in the Constitution for its alteration or amendment.

HISTORICAL SKETCH  
OF  
THE CHICAGO ACADEMY OF SCIENCES.

BY  
EDMUND ANDREWS, M. D.

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In the year 1856, a number of gentlemen residing in Chicago became desirous of starting some organization for the promotion of Science in this rapidly-growing city. By their exertions a society was formed in 1857, which took the name of "The Chicago Academy of Natural Sciences." The original members were as follows: Drs. J. V. Z. Blaney, N. S. Davis, J. W. Freer, C. Helmuth, and H. A. Johnson; Robert Kennicott, Geo. A. Mariner, Drs. H. Parker and F. Scammon; Samuel Stone, R. K. Swift, J. D. Webster, H. W. Zimmerman, and Dr. E. Andrews; to which list a large number were soon added.

A sum of money amounting in all to about \$1500 was subscribed to defray the first expenses. A room was taken, a few cases were erected, and a museum was commenced. The great financial crash which immediately followed, however, exerted a most depressing influence on the young association. Of the subscriptions to the initial fund, a very few only could be collected. It was found impossible to salary a curator, to build new cases, or to publish Transactions. The society however struggled along under difficulties, and a few of the members continued to work at leisure hours in the museum, and to keep up monthly meetings.



The Society was never incorporated under its original name, but in 1859 it was organized as a corporation under the title of "The Chicago Academy of Sciences" in accordance with the provisions of a general law of the State of Illinois for the incorporation of scientific and other societies.

In 1862 Mr. Robert Kennicott,—always one of the most active members of the Society and chief contributors to its museum,—returned from his three-years exploration of Arctic America, richly laden with specimens in all departments of Natural History. The results of this exploration are second in importance to those of no similar expedition on record. The actual expenses were borne by the Smithsonian Institution, aided by contributions from various parties desirous of obtaining some of the duplicates in different branches, and were materially lessened in amount by the unprecedented liberality of the Hudson's Bay Company and its individual officers. The collections all went to the Smithsonian Institution, with the understanding that a full series of the specimens was to be presented to any institution, otherwise eligible to such a donation, that Mr. Kennicott might designate, provided that suitable provision were made for its reception and preservation. Many additional collections from the same region have been since received at the Smithsonian, subject to similar conditions. Mr. Kennicott was naturally desirous that Chicago should become the place of deposit of this series.

In the winter of 1863-4, the great value of the collections thus made, and the readiness of the Smithsonian Institution to make the stipulated disposition of the duplicate materials, having become known to several prominent citizens of Chicago, it was resolved that the opportunity should not pass unimproved to lay so excellent a foundation for a great Scientific Museum in the chief city of the Northwest. An informal meeting of the gentlemen interested was held at the house of Mr. Edmund Aiken. Professor Agassiz, opportunely visiting Chicago at the time, was present at the meeting. The testimony of Professor Agassiz as to the importance of the collections of Mr. Kennicott, served to confirm the resolve of those present, that funds should be raised to provide proper accom-

modations for the full series offered by the Smithsonian Institution. A large sum of money was subscribed on the spot, and by the exertions of Messrs Scammon, Walker, McCagg, Blatchford, Thompson and others, other subscriptions were added. As a Scientific Association already existed in the city of Chicago, of which Mr. Kennicott and many of the subscribers were members, it was decided that the subscriptions should be fixed at the amount of \$500.00, and that the subscribers should become life-members of the Chicago Academy of Sciences.

The circumstances however required a reorganization of the Society, and the vesting of its property in a Board of Trustees. An Act of Incorporation, as now published, was obtained. It is unnecessary to detail the processes by which the re-organization was effected. The present status of the affairs of the Association is sufficiently set forth in the Constitution, By-Laws, and Reports herewith published.

The reception of specimens from the Smithsonian Institution proceeded rapidly during the year 1864 and the early part of 1865, under the supervision of Mr. Kennicott, who was in due time appointed Director of the Museum by the Board of Trustees. The collections have been temporarily deposited in rooms in the Metropolitan Building, corner of La Salle and Randolph Streets, and displayed as far as the present accommodations will allow. The amount and character of the specimens already accumulated here, is shown in the accompanying report of the Secretary of the Academy to the Board of Trustees.

In March 1865, Mr. Kennicott, with a party of young naturalists, set out with an expedition to Russian America and the neighboring countries, under the command of Col. Bulkley, to survey a route for the proposed Telegraph line to connect North America with Russia. This expedition is sent out by the Western Union Telegraph Company, which has generously offered to Mr. Kennicott and party every facility for making, under the direction of the Smithsonian Institution, other scientific explorations besides those incident to their line of special duty; so that large accessions to the

museum of the Academy from those little known northern regions may be expected. The outfit of Mr. Kennicott, as far as scientific apparatus goes, has been furnished by the Trustees from the funds of the Academy.

During Mr. Kennicott's absence, the charge of the museum has devolved upon Dr. Wm. Stimpson, Secretary of the Academy. Dr. S. has been for many years connected with the Smithsonian Institution, in charge of the Invertebrate department, and the collections resulting from his numerous explorations on the Atlantic and Pacific coasts of the United States, in great part undertaken at his private expense, have been deposited in the museum of that Institution. A full series of the duplicates of these collections will be presented to the Academy by the Institution, so that we may expect our own museum soon to become as rich in marine Invertebrates, as it already is in Vertebrates through the Arctic explorations of Mr. Kennicott.

Indeed, notwithstanding the large amount of materials already received from the Smithsonian Institution, much remains there to our credit, awaiting only selection and the provision of additional accommodations by the Academy. The selection must be made by the officers of the Academy, under the supervision, of course, of the officers of the Institution. The acquisitions to our museum from other sources are also considerable. Donations from private individuals are constantly coming in, and important exchanges with European and other institutions are in progress under charge of the Secretary. The resulting additions to our stores are so extensive that more cases will soon be required for their reception. It is to be hoped that the liberality which has inaugurated so auspiciously the present undertaking, will be continued; and that the opportunities now occurring may not be lost, for making Chicago the scientific, as it is already the commercial centre of the West.

OFFICERS  
OF  
THE CHICAGO ACADEMY OF SCIENCES.  
OCTOBER, 1865.

---

PRESIDENT.

EDMUND ANDREWS, M. D.

VICE PRESIDENTS.

DANIEL THOMPSON,  
BENJAMIN F. CULVER.

SECRETARY.

WILLIAM STIMPSON, M. D.

LIBRARIAN.

GEORGE H. FROST.

**OFFICERS**  
**OF THE**  
**BOARD OF TRUSTEES.**  
**OCTOBER, 1865.**

---

**PRESIDENT.**  
**J. YOUNG SCAMMON.**

**VICE PRESIDENT.**  
**WILLIAM E. DOGGETT.**

**SECRETARY.**  
**GEORGE C. WALKER.**

**TREASURER.**  
**GEORGE C. WALKER.**

**DIRECTOR OF THE MUSEUM.**  
**ROBERT KENNICOTT.**

[xviii]

PAST OFFICERS  
OF  
THE CHICAGO ACADEMY OF SCIENCES.

FROM ITS ORIGINAL ORGANIZATION IN 1857, TO ITS REORGANIZATION IN 1865.

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PRESIDENTS.

J. V. Z. BLANEY, 1857.	F. SCAMMON, 1862-1863.
J. D. WEBSTER, 1858-1861.	E. W. BLATCHFORD, 1864.

VICE PRESIDENTS.

N. S. DAVIS, 1857.	H. A. JOHNSON, 1862.
J. D. WEBSTER, 1857.	W. E. DOGGETT, 1863.
F. SCAMMON, 1858-1861.	G. A. MARINER, 1864.
J. W. FREER, 1858-1861.	J. S. JEWELL, 1864.
E. W. BLATCHFORD, 1862-1863.	

CORRESPONDING SECRETARIES.

H. A. JOHNSON, 1857.	R. KENNICOTT, 1864.
SAMUEL STONE, 1858-1859.	W. STIMPSON, 1865.
E. ANDREWS, 1860-1863.	

RECORDING SECRETARIES.

HENRY PARKER, 1857-1858.	C. F. CHASE, 1862.
C. D. BRAGDON, 1859.	E. ANDREWS, 1864.
H. W. FULLER, 1860, 1861 & 1863.	WM. A. NASON, 1865.

TREASURERS.

R. K. SWIFT, 1857.	B. F. CULVER, 1862-1864.
H. A. JOHNSON, 1858-1861.	

LIBRARIANS.

E. ANDREWS, 1857-1858.	E. O. F. ROLER, 1861 & 1865.
J. H. RAUCH, 1859-1860.	A. H. MIXER, 1862-1864.

CURATORS.

E. ANDREWS, 1857-1859.	I. A. POOL, 1863.
J. M. WOODWORTH, 1860-1862.	E. DANIELS, 1864.

## **SPECIAL MINUTE.**

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Entered in the Record Book, Feb. 10th, 1864, by vote  
of the Academy.

**E. ANDREWS, *Rec. Sec.***

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This day died **PROFESSOR F. SCAMMON, M. D.**,  
late President of this Academy, and one of the  
first champions of Science in the North-west.

Let his name be held in honor!

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L I F E M E M B E R S  
O F  
THE CHICAGO ACADEMY OF SCIENCES.  
OCTOBER, 1865.

---

AIKEN, EDMUND.  
ARMOUR, GEORGE.  
ARTHUR, Wm. R.  
ATWATER, SAMUEL T.

BALDWIN, SETH C.  
BEECHER, JEROME.  
BENEDICT, AMZI.  
BLAIR, WILLIAM.  
BLATCHFORD, ELIPHALET W.  
BLISS, SYLVESTER S.  
BOWEN, JAMES H.  
BOYD, JAMES.  
BOYINGTON, WILLIAM W.  
BRIGGS, CLINTON.  
BROSS, WILLIAM.  
BRYAN, THOMAS B.

CADY, CHAUNCEY M.  
CARTER, JAMES.  
CHAPMAN, HARVEY H.  
CHITTENDEN, GEORGE R.  
CLOUGH, JOHN.  
CONRAD, J. G.  
COOLBAUGH, Wm. F.  
COWLES, ALFRED.  
CROSBY, URANUS H.  
CULVER, BENJAMIN F.  
CULVER, HOWARD Z.

DOANE, GEORGE G.  
DOGGETT, WILLIAM R.  
DRAKE, JOHN B.  
DUNHAM, JOHN H.

ELY, DAVID J.  
ELY, EDWARD.  
EVANS, Dr. JOHN.

FAIRBANK, N. K.  
FARGO, JAMES C.  
FARWELL, CHARLES B.  
FARWELL, JOHN V.  
FLINT, T. J. S.  
FREER, Dr. JOSEPH W.  
FULLER, HENRY W.  
FULLER, OLIVER F.  
FULLERTON, ALEXANDER N.

GAGE, DAVID A.  
GAGE, GEORGE W.  
GATES, CALEB F.  
GOULD, WILLIAM R.  
GRAY, MOSES W.  
GREENEBAUM, HENRY.  
GURNEE, WALTER S.

HALL, ELBRIDGE G.  
HARDING, GEORGE F.  
HARRIS, WILLIAM D.  
HEMPSTEAD, EDWARD.  
HIBBARD, Rev. J. R.  
HINSDALE, HENRY W.  
HOES, JAMES H.  
HOLT, DEVILLO R.  
HONORE, HENRY H.  
HOUGH, ROSELLE M.  
HOWE, SAMUEL.  
HUBBARD, GILBERT.

[xxi]



JONES, J. M. W.

KAY, WILLIAM V.  
KEAN, SAMUEL A.  
KELLOGG, CHARLES P.  
KENT, ALBERT E.

LARRABEE, CHARLES R.  
LEWIS, WILLIAM G.  
LOMBARD, BENJAMIN.  
LOOMIS, HORATIO G.  
LUNT, ORRINGTON.  
LYON, JOHN B.

MCCAGG, EZRA B.  
MCDONALD, JOSEPH.  
MCLENNAN, HUGH.  
MCKICKER, JAMES H.  
MEDILL, JOSEPH.  
MEEKER, ARTHUR B.  
MUNGER, WESLEY.  
MUNN, IRA Y.

NICKERSON, SAMUEL M.

OGDEN, MAHLON D.  
OGDEN, WILLIAM B.

PAGE, BENJAMIN V.  
POLLARD, JOHN K.  
PURINGTON, GEORGE E.

RAND, WILLIAM H.  
RICHMAN, THOMAS J.  
ROBB, JAMES.  
RUMSEY, GEORGE F.  
RYERSON, JOSEPH T.

SAWYER, CHARLES B.  
SCAMMON, J. YOUNG.  
\*SCHUTTLER, PETER.  
SCRANTON, ABNER R.  
SCRIPPS, JOHN L.  
SHEPARD, HENRY M.  
SHUFELDT, GEO. A. JR.  
SHUFELDT, HENRY H.  
SHUFELDT, WILLIAM T.  
SMITH, CHARLES G.  
SMITH, CHARLES M.  
SMITH, DR. D. S.  
SMITH, GEORGE C.  
SMITH, COL. HENRY.  
SMITH, JAMES A.  
SMITH, SOLOMON A.  
SPALDING, JESSE.  
STEARNS, MARCUS C.  
STOREY, WILBUR F.  
SWIFT, R. K.

THOMPSON, DANIEL.  
THOMPSON, HARVEY M.  
TRACY, JOHN F.  
TUCKER, WILLIAM F.

VAN OSDEL, J. M.

WADSWORTH, PHILIP.  
WAITE, WILLIAM H.  
WALKER, CHARLES H.  
WALKER, GEORGE C.  
WALSH, JOHN R.  
WARD, JAMES.  
WILLIAMS, JOHN C.  
WILLIAMS, N. O.

\* Deceased.

RESIDENT MEMBERS  
OF  
THE CHICAGO ACADEMY OF SCIENCES.  
OCTOBER, 1865.

---

ANDREWS, DR. EDMUND.

BARRY, REV. WM.

BIXBY, E.

BLANEY, DR. J. V. Z.

BURR, JONATHAN.

BURROUGHS, REV. J. C.

BYFORD, DR. W. H.

CAMPBELL, A. H.

CARTER, ASHER.

CHESBROUGH, E. S.

DANIELS, COL. E.

DAVIS, F. H.

DAVIS, DR. N. S.

FROST, GEORGE H.

GROVER, PROF. Z.

HIGGINSON, CHARLES M.

HITT, ISAAC R.

HOLLISTER, DR. J. H.

JANSEN, E. L.

JEWELL, DR. J. S.

JOHNSON, DR. H. A.

KEDZIE, J. H.

KENNICOTT, ROBERT.

MAHLA, DR. F.

MARINER, GEORGE A.

MIXER, PROF. A. H.

NASON, WILLIAM A.

ROLER, DR. E. O. F.

SHELDON, E. H.

SKINNER, MARK.

SONNE, CHARLES.

STIMPSON, DR. WM.

STONE, COL. S.

WADE, CHARLES.

CORRESPONDING MEMBERS  
OF  
THE CHICAGO ACADEMY OF SCIENCES.  
OCTOBER, 1865.

---

AGASSIZ, PROF. LOUIS.  
BAIRD, PROF. SPENCER F.  
BANNISTER, REV. HENRY.  
BEBB, MICHAEL S.  
BEEBE, E. H.  
CARR, PROF. EZRA S.  
CHAMBERS, ROBERT.  
DAVIS, DR. H.  
DEWEY, PROF. C.  
DOUGLASS, PROF. S. H.  
GABB, WILLIAM M.  
GILL, PROF. THEODORE.  
HALL, PROF. JAMES.  
HALL, ELIHU.  
HAYDEN, DR. F. V.  
HENRY, PROF. JOSEPH.  
HOY, DR. P. R.  
JAMES, DR. EDWIN.  
KELLOGG, DR. GEORGE.  
KIRTLAND, DR. JARED P.  
MAURY, M. F.  
MCCHESNEY, PROF. J. H.  
MEEK, FIELDING B.  
PITCHER, PROF. ZINA.  
SAGER, PROF. ABRAM.  
SHELDON, PROF. D. S.  
SLACK, DR. J. H.  
TROWBRIDGE, PROF. W. P.  
VASEY, DR. GEORGE.  
WARREN, GEN'L G. K.  
WHITE, CHARLES A.  
WHITEFIELD, E.  
WHITNEY, PROF. J. D.  
WORTHEN, A. H.

Cambridge, Mass.  
Washington, D. C.  
Evanston, Ill.  
Washington, D. C.  
Galena, Ill.  
Madison, Wis.  
Edinburgh, Scotland.  
McGregor, Iowa.  
Rochester, N. Y.  
Ann Arbor, Mich.  
San Francisco, Cal.  
Washington, D. C.  
Albany, N. Y.  
Athens, Ill.  
Washington, D. C.  
Washington, D. C.  
Racine, Wis.  
Burlington, Iowa.  
Keokuk, Iowa.  
Cleveland, Ohio.  
City of Mexico.  
Newcastle-on-Tyne, England.  
Washington, D. C.  
Detroit, Mich.  
Ann Arbor, Mich.  
Davenport, Iowa.  
Philadelphia, Pa.  
Washington, D. C.  
Ringwood, Ill.  
Washington, D. C.  
Burlington, Iowa.  
St. Paul, Minn.  
San Francisco, Cal.  
Springfield, Ill.

[xxiv]

REPORT  
TO THE  
BOARD OF TRUSTEES  
UPON THE  
PRESENT CONDITION OF THE MUSEUM  
OF THE  
CHICAGO ACADEMY OF SCIENCES.

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ROOMS OF THE ACADEMY OF SCIENCES,  
CHICAGO, ILL., Aug. 1, 1865.

HON. J. YOUNG SCAMMON,  
*President of the Board of Trustees.*

DEAR SIR:

In the absence of the Director of the Museum, I have the honor to submit the following report upon the amount and character of the collections which have thus far been accumulated in the Rooms of the Academy, and the sources from which they have been derived.

Very respectfully

Your ob't serv't,

WM. STIMPSON.  
*Sec'y. Chicago Acad. Sci.*

## I. MAMMALS.

THE SMITHSONIAN INSTITUTION has presented to our museum 622 specimens of mammals. Of these 46 specimens, representing 42 species, have been mounted; 140 specimens of 67 species, are skins, mostly capable of being mounted; and 436 specimens, of 70 species, are preserved in alcohol.

MRS. FRANK W. REILLY has presented one specimen from West Northfield, Ill.

ROBERT KENNICOTT has presented 46 skins, of which 8, of 7 species, have been mounted. The remaining 38 skins represent 20 species.

E. B. McCAGG has presented 77 specimens from Colorado Territory. Of these 11 specimens of 11 species are mounted, 63 of 13 species are in skins, and 3 of 1 species are preserved in alcohol.

F. H. DAVIS has presented 14 mounted specimens of 12 species, 3 skins of 3 species, and 3 alcoholic specimens of 2 species. Most of these are from the vicinity of Chicago.

DR. JOHN M. WOODWORTH has presented 4 mounted specimens of 4 species, and 3 skins of 3 species.

WM. E. DOGGETT has presented a three-toed Sloth from South America, a Grey Fox from the State of New York, and a Grey Squirrel from the District of Columbia, all mounted.

WILLIAM S. DALLIBA has presented 5 mounted specimens of 5 species, all from the vicinity of Chicago.

J. YOUNG SCAMMON has presented an Armadillo (*Dasypus novemcinctus*), and a prehensile-tailed Raccoon (*Cerculeptes caudivolutus*), mounted, both from Costa Rica.

E. W. BLATCHFORD has presented one specimen from the vicinity of Chicago.

DANIEL THOMPSON has presented a mounted Lynx (*L. canadensis*) from Wisconsin.

F. J. HUSE has presented 2 skins, of 2 species, from Evanston, Ill.

DR. EDMUND ANDREWS has presented one alcoholic specimen from Tennessee.

GEORGE B. ARMSTRONG; one skin, from near Chicago.

DR. BODLEY; one specimen, a skin.

AMASA KENNICOTT; 9 specimens in alcohol, of 5 species, from Missouri.

MARK KENNICOTT; 2 mounted specimens, *Arctomys monax* and *Tamias striatus*, from near Chicago, Ill.

FERDINAND BISCHOFF; 5 specimens of 2 species (Virginia Opossum and Silvery Mole), from Peoria, Ill.

FLINT KENNICOTT; 2 specimens in alcohol, of 1 species, from West Northfield, Ill.

DR. J. W. VELIE; a skin of the "Little Chief Hare" (*Lagomys princeps*) from the Rocky Mountains.

DR. R. B. HITZ; a young flying-squirrel, in alcohol, from Washington, D. C.

G. LANSING; 3 specimens of 2 species from Evanston, Ill.

CHARLES H. WALKER has presented a portion of the trunk of a tree gnawed by a beaver, illustrative of their method of felling trees of large size.

#### RECAPITULATION.

Mammals mounted.....	95	specimens.
"      skins.....	260	do
"      in alcohol.....	457	do
Total.....	812	do

#### II. OSTEOLOGY.

In this department the collections in our museum are chiefly due to the donations of PRESIDENT ANDREWS. These consist of the skeletons of the Sea-Elephant and Dog; the skeleton of a snake (*Eutaenia*); preparations of the bones of a Bats wing and the ventral ribs of the Alligator; the pelvis and some other bones of a North American Indian; various bones of the Horse, Deer, and Manatus; 15 skulls of 15 species of Mammals; and 3 skulls of 3 species of Birds.

THE SMITHSONIAN INSTITUTION has presented 27 skulls of 20 species of Mammals.

F. H. DAVIS; 13 skulls of 11 species of Mammals.

R. KENNICOTT; 4 skulls of 3 species of Mammals.

WM. E. DOGGETT; the horns of the Moose (*Alce Americanus*), from Maine.

E. W. BLATCHFORD; horns of the American Elk (*Cervus canadensis*), from the Upper Missouri region.

DANIEL THOMPSON; horns of a large Deer from Asia.

OLIVER P. SECOR, two pairs of horns of the common American Deer (*Cervus virginianus*), which have become interlocked during a combat, causing the death of both animals, which were unable to extricate themselves. The skeletons from which these horns were taken, were found in the woods in Southern Illinois. The surface at the points of contact of the branches of the antlers is much worn down, shewing that the animals must have struggled long to free themselves, before death ensued from starvation.

EDWARD DANIELS has presented the skull of a Raccoon (*Procyon lotor*), and two teeth of a Whale (*Physeter*).

MR. TROWBRIDGE, Constantinople; skull of Camel.

CHARLES MATTESON; 1 skull of a mammal.

AMASA KENNICOTT; the skull of *Reithrodon humilis* from Missouri.

From unknown donors we have two skulls of Mammals, and by purchase, the horns of the Caribou, black-tailed Deer, and American Antelope.

#### RECAPITULATION.

Skeletons.....	3
Skulls of Mammals.....	60
“ “ Birds.....	3
Other osteological specimens.....	17
Total.....	83

## III. BIRDS.

THE SMITHSONIAN INSTITUTION has presented 2427 specimens of birds, 439 of which have been mounted.

MRS. F. W. REILLY one bird from West Northfield, Ill.

ROBERT KENNICOTT has presented 302 specimens from the vicinity of Chicago, 126 of which have been mounted; 11 specimens from Southern Illinois, 6 of which are mounted, and 13 specimens from various localities, 2 of which are mounted.

DANIEL THOMPSON has presented 81 mounted specimens, mostly Palmipedes, and 28 skins, from the vicinity of Chicago; also 250 skins from Colorado Territory.

S. C. CLARKE has presented 54 specimens, mostly from Europe, 19 of which are mounted.

WM. E. DOGGETT has presented 22 mounted specimens from the District of Columbia, and one from near Chicago.

F. BISCHOFF; 74 skins from Peoria, Ill., and one mounted specimen from the vicinity of Chicago.

J. Y. SCAMMON; 18 mounted birds from Costa Rica, and a large number of skins from the same locality.

DR. J. M. WOODWORTH; 17 mounted specimens, 4 skins, and 4 alcoholic specimens.

FLINT KENNICOTT; 20 mounted birds and 13 skins from the vicinity of Chicago.

JOHN KRIDER, 24 skins of 18 species.

E. W. BLATCHFORD, 5 mounted specimens, among which there is a fine Golden Eagle from Kankakee, Ill., and the skin of a Grebe from near Chicago, Ill.

CHARLES MATTESON; 7 mounted specimens and 6 skins from near Chicago.

F. J. HUSE; 5 mounted birds and 6 skins from near Chicago.

F. H. DAVIS; 9 mounted birds and 6 skins from near Chicago.

JOEL REEVES; 8 mounted birds and one alcoholic specimen from Ainsworth, Ill.

W. S. DALLIBA; 6 mounted birds and one skin from near Chicago.



# XXX.

E. E. FLINT; 3 mounted birds and 1 skin from near Chicago.

DR. J. P. KIETLAND; 3 mounted birds from Cleveland, Ohio.

G. LANSING; 1 mounted bird and 2 skins from the vicinity of Chicago.

DEVILLO R. HOLT; one Loon and two other mounted birds from the vicinity of Chicago.

DR. HENRY BRYANT; 3 Spruce Partridges, skins, from New Hampshire.

DR. P. R. HOY; 2 bird-skins from Racine, Wis.

MR. HELM; 3 skins from near Chicago.

H. E. HAMILTON; one American Swan, mounted.

GEO. C. WALKER; a mounted Pelican, from near Chicago.

MARK KENNICOTT; 3 mounted birds.

ROBERT MORFORD; 1 mounted bird from near Chicago.

E. H. CLIFFORD; 3 mounted birds and 7 skins from near Chicago.

J. H. MCCHESENEY; 1 Duck (*Fulix collaris*) not mounted.

G. B. ARMSTRONG; 7 mounted birds and 1 skin from near Chicago.

JOHN CASSIN; 3 bird skins from Chili.

CHARLES H. WALKER; 4 mounted Game-birds from near Chicago.

H. R. HOLDER; one mounted bird.

WILLIAM JOHNSON; one specimen of *Chrysomitris tristis* from Chicago.

C. H. AMES; one specimen of *Gambetta melanoleuca* mounted, from Montgomery, Ill.

J. A. WRIGHT; one Owl, mounted, from Northern Illinois.

IRA KENNICOTT, one Phalarope, from near Chicago.

From unknown donors, we have a Condor and a bald-headed Eagle, both mounted. By purchase, one skin of the Sand-hill Crane.

## RECAPITULATION.

Mounted Birds.....	832
Birds not mounted.....	2700
Birds in alcohol.....	5
Total.....	3537

## IV. OÖLOGY.

The collection of Birds' Eggs is remarkably large and fine, MR. KENNICOTT having paid special attention to this department.

THE SMITHSONIAN INSTITUTION has presented 1916 eggs of 759 sets, together with 258 nests. Of these 200 eggs of 68 species, and 10 nests, are from Palestine and Formosa, collected by the Rev. Mr. Tristram. The remainder are, with few exceptions, North American. Among the specimens presented by the Institution is a cast of the largest egg known, that of the extinct *Aepiornis maximus*, which is nearly one foot in length:

FLINT KENNICOTT has presented 406 eggs of 42 species, with 37 nests, all from the vicinity of Chicago.

E. H. CHAPMAN; 200 eggs of 20 species, all from the same vicinity.

AUG. WRIGHT; 100 eggs of 29 species from the same.

WILLIAM S. DALLIBA; 50 eggs of 13 species from the same.

DR. P. R. HOY; 36 eggs of 12 species and 12 nests from Racine, Wis.

ROBERT KENNICOTT; 47 eggs of 13 species and one nest from Illinois.

DR. J. M. WOODWORTH; 22 eggs, of 3 species.

CHARLES SONNE; the nest and egg of a Humming-bird, and 2 eggs of one other bird.

CHARLES MATTESON; 24 eggs of the Ruffed Grouse (*Bonasa umbellus*).

F. J. HUSE; 2 eggs of 2 species, from near Chicago.

F. H. DAVIS; an egg of *Euspiza americana*.

G. LANSING; an egg of the Whip-poor-will.

## RECAPITULATION.

Sets of eggs, with nests.....	309
Sets or parts of sets, without nests.....	630
Total.....	939
Total number of eggs.....	2808

## V. REPTILES.

THE SMITHSONIAN INSTITUTION has presented 200 specimens of 93 species of Reptiles,—5 specimens of 4 species in skins, and the remainder in alcohol.\*

ROBERT KENNICOTT has presented 150 specimens of 44 species, all preserved in alcohol, and mostly from Illinois.

DR. R. B. HITZ; 132 specimens of 42 species, all in alcohol, and mostly from the District of Columbia.

FLINT KENNICOTT; 87 specimens of 19 species from Northern Illinois, all but one being alcoholic specimens.

DR. E. ANDREWS; one serpent (*Celuta amana*) in alcohol, and one large mounted Alligator from Mississippi.

A. BOLTER; 34 alcoholic specimens of 6 species from the vicinity of Chicago.

E. W. BLATCHFORD; 7 specimens of 2 species from the same vicinity.

W. A. NASON and GEORGE H. FROST; 3 specimens of 2 species from the same.

C. M. HIGGINSON; 13 specimens of 9 species from the same.

CHARLES MATTESON; one specimen from the same.

F. J. HUSE; one specimen from the same.

F. H. DAVIS; 7 alcoholic specimens of 7 species, and one dry specimen. Nearly all of these are from near Chicago.

CHARLES KENNICOTT; 2 specimens of *Chlorosoma vernalis*, from Southern Illinois.

GEORGE H. HATHEWAY; 3 specimens of 3 species, in alcohol.

AMASA KENNICOTT; 2 specimens of 1 species from near Chicago, and two specimens of an *Ophibolus* from Missouri.

E. B. McCAGG; 21 specimens of 2 species from Colorado Territory.

\*In the subsequent pages of this Report, the specimens mentioned are always alcoholic, when not expressly stated to be preserved in some other way.

### xxxiii.

WILLIAM STIMPSON; 14 specimens of 8 species from Ohio, an *Emydoid* from the Potomac River, and the shell of a *Chelydra* from the Eastern shore of Virginia.

THE POTOMAC-SIDE NATURALIST'S CLUB; one *Thyroster-num pennsylvanicum* in alcohol from the District of Columbia.

#### RECAPITULATION.

Reptiles in alcohol.....	676
Reptiles mounted, or in skins.....	9
Total.....	685

### VI. FISHES.

THE SMITHSONIAN INSTITUTION has presented, of Fishes, 610 specimens of 318 species, from all parts of the world. Of these, 3 specimens, of 3 species, are skins.

E. W. BLATCHFORD has presented 116 specimens of 19 species from Waukegan, Ill. Among these are examples of most of the larger kinds found in Lake Michigan. Two of them, a large Sturgeon and a *Haploidonotus grunniens* have been skinned for mounting.

WM. A. NASON; 8 specimens of 3 species from the Niagara River; 149 specimens of 8 species from Quincy, Ill.; 16 specimens of 2 species from Elgin, Ill.; and 212 specimens of 7 species from the basin of the Chicago Water-works.

FLINT KENNICOTT; 188 specimens of 27 species from Northern Illinois, and 26 specimens of 2 exotic fishes.

C. M. HIGGINSON; 10 specimens of 4 species from Lake Michigan, and 78 specimens of 20 species from the vicinity of Chicago.

ROBERT KENNICOTT; 41 specimens of 12 species from Northern Illinois.

F. H. DAVIS; 13 specimens of 8 species from near Chicago.

WM. A. NASON and GEO. H. FROST; 120 specimens, 11 species, from Salt Creek, Dupage Co., Ill.

DR. E. ANDREWS; 22 mounted skins of 20 species of fishes, mostly from the fresh waters of North America. Among them there are several Sturgeons and Gar-pikes, a Ray, and a Monk-fish (*Lophius americanus*).

DANIEL THOMPSON; 20 specimens of the Sisco, a species of *Argyrosomus*, from Geneva Lake, Wis.

CHARLES SONNE; 17 dry specimens of 7 species, mostly from Japan.

CHARLES MATTESON; 150 specimens of 7 species from Lake Michigan and the streams running into it, north of Chicago.

DR. GEORGE VASEY; the skin of a *Lepidosteus* from the Fox River.

THE MUSEUM OF COMPARATIVE ZOOLOGY at Cambridge, Mass.; 5 specimens of 3 species of Cyprinoids.

DR. R. B. HITZ; 3 specimens of 2 species from the District of Columbia.

E. B. McCAGG; two specimens of a *Salmo* from Colorado Territory.

GEORGE H. HATHEWAY; one specimen of the blind fish, *Amblyopsis spelaeus*, from the Mammoth Cave of Kentucky.

E. SMITH; a *Polyodon* or Spoon-billed Sturgeon, dry.

S. SEXTON; head of the same, dried.

R. KENNICOTT and W. STIMPSON; 1,200 specimens of 35 species from Great Egg Harbor, New Jersey.

WILLIAM STIMPSON; 240 specimens of 14 species from Rock Creek, District of Columbia; 70 specimens of 9 species from the Patapsco River, Maryland; 370 specimens of 18 species from tributaries of the Cuyahoga River, Ohio; and 170 specimens of 15 species from tributaries of the Muskingum.

By purchase, 22 specimens of 7 species, from various localities.

#### RECAPITULATION.

Fishes in alcohol.....	3835
Dried skins, mounted and unmounted.....	46
Total.....	3881

These specimens represent about 520 species.

VII. INSECTS.

For the following statements concerning our Entomological Collection I am indebted to the Reports of Messrs. George H. Hatheway and Charles Sonne; the former gentleman having made the estimates for the Hemiptera, Neuroptera, Lepidoptera, Hymenoptera, Orthoptera and Arachnida, and the latter for the Coleoptera. The specimens are dried and mounted.

COLEOPTERA.

Of this order we have 5130 specimens of 1078 species, all North American. Most of these were presented by Mr. ROBERT KENNICOTT, although among those here credited to him, some may have been presented by others;—a point which cannot now be determined. As far as our present information goes, the donors are as follows:

ROBERT KENNICOTT.....	4954 specimens of 1002 species	
HENRY ULKE.....	176	76
Total.....	5130	1078

HEMIPTERA.

Most of the specimens in this order were contributed through the SMITHSONIAN INSTITUTION and MR. P. R. UHLER. They were collected by the following gentlemen:

ROBERT KENNICOTT.....	287 specimens of 102 species.	
P. R. UHLER.....	174	67
F. WALKER.....	144	48
A. BOLTER.....	149	26
JOHN XANTUS.....	41	9
M. CASTELNEAU.....	31	8
CHARLES WRIGHT.....	8	4
DR. LUIS BERLANDIER.....	4	4
E. NORTON.....	3	2
DR. C. B. KENNERLY.....	3	1
CAPT. HOLDEN.....	2	1
HENRY ULKE.....	1	1
GENERAL J. POPE.....	1	1
JOHN AKHURST.....	1	1
F. STURM.....	1	1
DR. GEORGE SUCKLEY.....	1	1
DR. WM. STIMPSON.....	3	1
Total.....	854	278

# xxxvi.

## NEUROPTERA.

The Neuroptera were received, (in great part through the SMITHSONIAN INSTITUTION and MR. UHLER,) from the following:

P. R. UHLER.....	114	specimens of	42	species
R. KENNICOTT.....	55	"	27	"
GEN'L. J. POPE.....	9	"	4	"
H. HAGEN.....	6	"	4	"
CHARLES WRIGHT.....	5	"	3	"
GEORGE H. HATHEWAY.....	4	"	3	"
A. BOLTER.....	6	"	3	"
B. D. WALSH.....	1	"	1	"
E. NORTON.....	1	"	1	"
E. T. CRESSON.....	1	"	1	"
Total.....	202		89	

## LEPIDOPTERA.

Presented by the following:

CHARLES SONNE.....	41	American and 251	European species.
R. KENNICOTT.....	100	"	species.
A. BOLTER.....	63	"	"
F. BISCHOFF.....	50	"	"
DR. CHARLES HELMUTH.....	20	"	"
W. H. DALL.....	22	"	"

In all 547 species. The number of specimens is about 2000.

## HYMENOPTERA.

Presented by the following:

R. KENNICOTT.....	250	specimens of	150	species.
CHARLES SONNE.....	40	"	29	"
Total.....	290		179	

## ORTHOPTERA.

By the following:

R. KENNICOTT.....	125	specimens of	50	species.
CHARLES SONNE.....	35	"	22	"
Total.....	160		72	

## ARACHNIDA, ETC.

By the following:

# xxxvii.

R. KENNICOTT.....	75	specimens of	59	species.
CHARLES SONKE.....	5	"	5	"
Total.....	80		64	

It appears from the above that we have in the collection 8716 specimens of 2307 species of Insects.

## VIII. CRUSTACEA.

THE SMITHSONIAN INSTITUTION has presented 1176 specimens of 230 species of Crustacea from all parts of the world. Of these, 107 specimens, representing 47 species, are dried, and the remainder alcoholic.

ROBERT KENNICOTT and WILLIAM STIMPSON have presented 297 specimens of 28 species, all marine, from Great Egg Harbor, N. J. Of these 27 specimens of 4 species are dried.

FLINT KENNICOTT; 90 specimens of 4 species from Northfield, Ill.

F. H. DAVIS; 98 specimens of 4 species from the vicinity of Chicago.

WM. A. NASON and GEORGE H. FROST; 20 specimens of 2 species from the same vicinity.

C. M. HIGGINSON; 30 specimens of 4 species from the same.

CHARLES MATTESON; 17 specimens of 2 species from the same.

E. W. BLATCHFORD; 3 specimens of 2 species from Waukegan, Ill.

GEORGE H. HATHEWAY; a blind Cray-fish from the Mammoth Cave.

DR. R. B. HITZ; 4 specimens of 3 species from the District of Columbia.

WM. A. NASON; 21 specimens of 2 species from Quincy, Ill.

CHARLES SONNE; 5 dry specimens, of 3 species, from China.

W. H. DALL; 15 dry specimens of a *Limnadia*, a bivalve crustacean resembling a *Sphaerium*.



# xxxviii.

WILLIAM STIMPSON; 2 specimens of 2 species from Washington, D. C., 35 specimens of 4 species from Ohio, and 4 specimens of a parasitic crustacean taken from a fish caught in Lake Michigan.

## RECAPITULATION.

Crustaceans in alcohol.....	1664
Dry specimens.....	154
Total.....	1818

## IX. ANNELIDA.

ROBERT KENNICOTT and WILLIAM STIMPSON have presented 27 specimens of 5 marine species from Great Egg Harbor, N. J.

C. M. HIGGINSON; 6 specimens of 4 species from the vicinity of Chicago.

FLINT KENNICOTT; one specimen from the same vicinity.

E. W. BLATCHFORD; a *Clepsine*, from the same.

WILLIAM STIMPSON; 3 specimens of 1 species, from the same.

Total.....38 specimens.

## X. MOLLUSCA.

THE SMITHSONIAN INSTITUTION has presented shells as follows:

From Cape St. Lucas.....	106 specimens of	64 species.
From Mazatlan.....	36	28
From Panama.....	68	35
From various other localities.....	706	243
Wilkes' Exploring Expedition shells.....	307	174
American Unionidae.....	152	95
Alcoholic specimens.....	36	14
Total.....	1411	653

The shells from Cape St. Lucas were collected by JOHN XANTUS. Those from Panama are the types of the late Prof. C. B. Adams, and those from Mazatlan are the types of Dr. Carpenter.

W. H. DALL has presented 884 shells of 240 species.

R. KENNICOTT; 561 dry specimens of 86 species, and 2 specimens of 1 species in alcohol.

R. KENNICOTT and W. STIMPSON; 1190 dry specimens and 270 wet specimens, of 80 species, from Great Egg Harbor, N. J.

ELIHU HALL; 611 shells of 60 species, mostly Unionidae from Athens, Ill.

DR. I. A. LAPHAM; 224 shells, of 40 species from Milwaukee, and 32 of 15 species from other localities.

DR. E. ANDREWS; 117 shells, mostly large, of 70 species.

THE MUSEUM OF COMPARATIVE ZOOLOGY at Cambridge; 174 shells of 87 species.

THE ESSEX INSTITUTE; 55 shells of 25 species, from various localities.

C. M. HIGGINSON; 128 shells of 19 species from the vicinity of Chicago, and 23 of 16 species from other localities.

FLINT KENNICOTT; 1500 dry and 18 wet specimens, of 40 species, from the vicinity of Chicago.

F. H. DAVIS; 40 shells of 7 species from the same vicinity.

C. MATTESON; 17 shells of 5 species from the same.

DR. HENRY BRYANT; 50 shells of 16 species.

G. L. LANSING; 52 shells of 24 species.

AMASA KENNICOTT; 10 Unios of 8 species, from Missouri.

E. B. McCAGG; 34 shells of 2 species from Colorado.

WILLIAM STIMPSON has presented shells from the following localities:

Canary Islands.....	70 specimens of	26 species.
East Coast of North America.....	486	161
District of Columbia.....	960	65
Summit County, Ohio, dry.....	93	11
“ “ “ wet.....	126	4
Various other localities.....	116	26
Total.....	1851	293

From unknown donors we have in the collection 731 shells of 271 species, and 120 alcoholic specimens, of 8 species.

RECAPITULATION.

Shells, dry.....	8883
Shells, with the soft parts, in alcohol.....	452
Total .....	9335

XI. ECHINI.

THE SMITHSONIAN INSTITUTION has presented 146 dried specimens of Sea-urchins, belonging to 60 species, from all parts of the world.

DR. E. ANDREWS has presented 5 dry specimens, of 4 species.

WILLIAM STIMPSON; 15 dry specimens, of 5 species.

From unknown donors we have 8 dry specimens of 1 species.

Total.....174 specimens.

XII. CORALS.

THE SMITHSONIAN INSTITUTION has presented 61 specimens of Corals, representing 49 species.

THE ESSEX INSTITUTE; 25 specimens of 22 species.

E. DANIELS; 10 specimens of 6 species.

DR. E. ANDREWS; 2 specimens of 2 species.

Total.....98 specimens.

XIII: BOTANY.

For the following statements in regard to the Herbarium of the Academy, I am indebted to MRS. DOGGETT, who is now re-arranging and naming the specimens.

The plants have been presented by MRS. DOGGETT, MISS MORTON, DRS. H. A. JOHNSON and GEORGE VASEY, ROBERT KENNICOTT, DR. I. A. LAPHAM, and MESSRS. OLNEY, SART-

WELL and others. DR. JOHNSON's collections were made in Michigan and Illinois; DR. VASEY's in New York and Illinois; and MR. KENNICOTT's all in Illinois. The following table shows the contributions in each group:

	EXOGENS.	ENDOGENS.	CRYPTOGAMS.
MRS. DOGGETT.....	50 species.		
MISS MORTON.....			8 species.
DR. H. A. JOHNSON.....	270 "	53 species.	
DR. GEORGE VASEY.....	143 "	167 "	80 "
ROBERT KENNICOTT.....	146 "	48 "	
Other Contributors.....	34 "		
	648 "	268 "	33 "
Total number of species.....			944
Total number of specimens, about.....			2,400

#### XIV. GEOLOGY AND PALAEONTOLOGY.

THE SMITHSONIAN INSTITUTION has presented about 3100 specimens of fossils, belonging to 600 species. Of these species 60 are Silurian, 30 Devonian, 75 Carboniferous, 6 Permian, 8 Jurassic, 110 Cretaceous, 70 Eocene, 240 Miocene, and 1 Pleistocene. They are mostly from localities in the United States, but among the Miocene species, there is a fine series from the Vienna Basin.

DR. F. W. WHITE has presented 154 fossils of 18 species from the Lower Silurian at Cincinnati, 10 of 3 species from the Upper Silurian of the State of New York, 10 of 9 species from the Devonian of Louisville, Ky., and 25 of 13 species from various other formations and localities.

DR. E. ANDREWS has presented 12 fossils of 9 species from the Upper Silurian at Bridgeport, Ill., 1 from the Devonian at Kankakee, Ill., 45 specimens of 17 species from the Coal-measures of Illinois, and 19 of 14 species from various other formations and localities. Also a part of the right shoulder-blade of a Mastodon from Illinois, and some portions of the tusk of the same animal from Missouri.

A. H. WORTHEN, Geologist to the State of Illinois, has presented 5 fossils of 4 species from the Carboniferous and Sub-carboniferous rocks of Illinois and Missouri; 139 of 52 species from the Eocene at Claiborne, Ala.; and 12 of 4 species from the Miocene of Maryland.

DR. GEORGE H. KELLOGG ; 200 fossils of 46 species from the limestone at Keokuk, Ill.

JAMES GUILD ; 60 fossils of 22 species from the Lower Silurian at Brookville, Ind.

PROFESSOR J. H. MCCHESENEY ; 50 fossils and casts, of 46 species, from the Palaeozoic Rocks of the West.

F. B. MEEK ; 17 casts of 17 species, mostly Palaeozoic.

F. B. MEEK and A. H. WORTHEN ; 30 fossils of 18 species from the Upper Silurian at Bridgeport, Ill.

A. S. RANDALL ; 20 fossils of 10 species from the Upper Silurian at Joliet, Ill.

C. M. HIGGINSON ; 8 fossils of 7 species from various formations and localities.

DR. DAVIS ; 10 fossils of 7 species from the Silurian of Kendall Co., Ill.

WM. A. NASON ; 3 fossils of 3 species from the Devonian of the State of New York.

E. DANIELS ; 4 fossils of 4 species from the Upper Silurian at Grafton, Wis.

C. D. WILBUR ; 12 fossils of 9 species from various formations and localities.

N. D. THOMAS ; molar teeth of the *Mastodon giganteus* from Louisiana.

E. S. CHESBROUGH ; fossils from Drift-boulders found in the excavation of the Chicago Lake Tunnel.

DR. LOCKE ; 10 fossils of 5 species from various localities.

H. M. BANNISTER ; a specimen of *Spirifer Grimesii* from the Burlington Limestone.

DR. UHLFERS ; 2 fossils of 2 species from the Devonian at "Devils back-bone," Ill.

GEORGE A. MARINER ; a *Productus* from the Carboniferous of Tennessee.

H. P. MOSES ; specimens of *Carpolithes*, etc., from the Pleistocene at Brandon, Vt.

MR. GROSVENOR ; 2 fossils of 2 species from the Palaeozoic rocks of New York.

DR. J. V. Z. BLANEY; specimens of *Pentamerus* from La Salle, Ill.

THE NORTHWESTERN UNIVERSITY; specimens of *Pentemites Godonii* from the Coal Measures at Jonesboro, Ill.

C. T. CHASE; 10 specimens of 4 species from the Upper Silurian of the vicinity of Chicago.

A. BOTTSFORD; a tibia of *Mastodon giganteus* from Iowa.

L. W. VOLK; *Orthis lynx* and other fossils from the Lower Silurian at Cincinnati.

WM. A. HAWLEY; one fossil from Canada.

A. M. REDFIELD; a *Rynchonella* from Canada.

DR. J. W. FREER; 8 specimens of 4 species from various localities.

WILLIAM STIMPSON; 1 Bryozoon from the Sub-carboniferous of Summit Co., Ohio; 11 fossils of 2 species from the Tertiary of South Carolina; and 44 specimens of 10 species from the Pleistocene of Riviere du Loup, Canada.

From unknown donors we have 100 specimens of 38 species of fossils from various localities, and the incisor-teeth of *Casteroides Ohioensis*.

#### RECAPITULATION.

Number of specimens of fossils.....	4174
“ “ species, about.....	1000

#### XV. MINERALOGY.

In this department we have as yet few specimens of value, and these, for want of time and skilled assistance, have not yet been arranged. The number of specimens is about 1000. They have been presented by the following donors:

MISS HODGES, DR. E. ANDREWS, GEORGE ANDREWS, V. BRADFORD BELL, DR. J. V. Z. BLANEY, DR. BRADLEY, WILLIAM BROSS, E. S. CHESBROUGH, R. CROSS, E. DANIELS, C. N. ELLENWOOD, W. W. GILLETTS, C. M. HIGGINSON, DR. J. H. HOLLISTER, DR. J. S. JEWELL, S. RUSSELL JONES, R. KENNICOTT, E. B. McCAGG, PROF. J. H. MCCHESENEY, H. P. MOSES, DR. H. PARKER, DR. E. SHIPMAN, N. B. THOMAS, DR. GEO. VASEY, DR. F. W. WHITE, and DR. J. M. WOODWORTH.

DR. J. M. WOODWORTH has presented a full set of chemical tests and reagents.

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To give at a glance the number of specimens in each department and the total number, we may add the following :

GENERAL SUMMARY.

Mammals.....	812
Osteological specimens.....	88
Birds.....	3537
Bird's Eggs.....	2808
Reptiles.....	685
Fishes.....	3881
Insects.....	8716
Crustacea.....	1818
Annelida.....	38
Mollusca.....	9336
Echini.....	174
Corals.....	98
Botanical specimens.....	2400
Fossils, etc.....	4174
Minerals.....	1000
Total.....	39,559

The total number of specimens in the Museum at the present time is, therefore, more than thirty-nine thousand five hundred.

REPORT  
TO THE  
BOARD OF TRUSTEES  
UPON THE  
PRESENT CONDITION OF THE LIBRARY.

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ROOMS OF THE ACADEMY OF SCIENCES,  
CHICAGO, ILL., Aug. 1, 1865.

HON. J. YOUNG SCAMMON,

*President of the Board of Trustees.*

DEAR SIR :

I have the honor to submit the following list of the books and pamphlets now in the Library of the Academy, with the names of the donors from whom they have been received.

Very respectfully

Your ob't serv't,

GEORGE H. FROST,

*Librarian Chicago Acad. Sci.*  
(xlv.)



**The Academy has received :**

**FROM THE SMITHSONIAN INSTITUTION.**

Smithsonian Contributions to Knowledge, Vols. I to XIII. 4to. Washington, 1848—1863.

The Ancient Fauna of Nebraska, or a Description of Remains of extinct Mammalia and Chelonia, from the Mauvaises Terres of Nebraska. By Joseph Leidy, M. D. 4to. Washington, D. C., 1853. (Extracted from Sm. Contr. to Knowledge, Vol. VI.)

Smithsonian Miscellaneous Collections, Vols. I to V. 8vo. Washington, 1853—1864.

Tables Meteorological and Physical, prepared for the Smithsonian Institution by Arnold Guyot, Ph.D., LL.D., etc. 3rd edition, revised and enlarged. 1 vol., 8vo. Washington, 1859. (Extr. Smithsonian Misc. Coll.)

Classification of the Coleoptera of North America, prepared for the Smithsonian Institution by Jno. L. Leconte, M. D. Part I. 1 vol., 8vo. Washington, 1861, 1862. (Extr. Sm. Misc. Coll.)

Catalogue of the Described Diptera of North America, prepared for the Smithsonian Institution by R. Osten Sacken. 1 vol., 8vo. Washington, 1858. (Extr. Sm. Misc. Coll.)

New Species of North American Coleoptera. By Jno. L. Leconte, M. D. Part I. 8vo. Pamph. Washington, 1863. (Extr. Sm. Misc. Coll.)

Catalogue of Minerals with their formulas, etc. By T. Eggleston. 8vo. Pamph. Washington, 1863. (Extr. Sm. Misc. Coll.)

Catalogue of North American Birds, chiefly in the Museum of the Smithsonian Institution. By Spencer F. Baird. 8vo. Pamph. Washington, 1859. (Extr. Sm. Misc. Coll.)

Check Lists of the Shells of North America, prepared for the Smithsonian Institution by Isaac Lea, P. P. Carpenter, Wm. Stimpson, W. G. Binney, and Temple Prime. 8vo. Pamph. Washington, 1860. (Extr. Sm. Misc. Coll.)

Check List of the Invertebrate Fossils of North America. Cretaceous and Jurassic. By F. B. Meek. 8vo. Pamph. Washington, 1864. (Extr. Sm. Misc. Coll.)

Circular in reference to collecting Nests and Eggs of North American Birds. Together with an appendix giving suggestions for forming collections of Birds' eggs. By Alfred Newton. 8vo. Pamph. Washington, 1861. (Extr. Sm. Misc. Coll.)

Circular in reference to the Degrees of Relationship among Different Nations. By L. H. Morgan. 8vo. Pamph. Washington, 1860. (Extr. Sm. Misc. Coll.)

Duplicate shells collected by the United States Exploring Expedition under Capt. C. Wilkes, U. S. N. 8vo. Pamph. (Extr. Sm. Misc. Coll.)

Queries relative to Tornadoes. 8vo. Pamph. (Extr. Sm. Misc. Coll.)

Report of the Organization Committee of the Smithsonian Institution, with the Resolutions accompanying the same and adopted by the Board of Regents; also the Will of the Testator, the Act accepting the Bequest, and the Act organizing the Institution. 8vo. Pamph. Washington, 1847.

Report of the Secretary of the Smithsonian Institution, showing the Operations, Expenditures, and Condition of the Institution for the year 1852. 8vo. Pamph. Washington, 1853.

Report of the Board of Regents of the Smithsonian Institution, showing the Operations, Expenditures, and Condition of the Institution, and the Proceedings of the Board for the years 1854, '55, '56, '57, '58, '59, and '62. 7 Vols. 8vo. Washington.

Places of the Public Libraries in the United States of America. By Charles C. Jewett. 8vo. Pamph. Washington, 1850. (Extr. Smithsonian Report for 1849.)

Report to the Secretary of the Smithsonian Institution on the Fishes of the New Jersey Coast, as observed in the summer of 1854. By Spencer F. Baird. 8vo. Pamph. Washington, 1855. (Extr. Sm. Report for 1854.)

Lectures on Mollusca, or "Shell-Fish" and their allies, prepared for the Smithsonian Institution by Philip P. Carpenter, B. A., Ph. D., of Warrenton, Eng. 8vo. Washington, 1861. (Extr. Smithsonian Report for 1860.)

Report on the History of the Discovery of Neptune. By Benj. Apthorp Gould, Jr. 8vo. Pamph. Washington, 1850. Published by the Smithsonian Institution.

On the Construction of Catalogues of Libraries, and their Publication by means of separate Stereotyped Titles, with Rules and Examples. By Charles C. Jewett. 2nd Ed. 8vo. Pamph. Washington, 1853. Published by the Smithsonian Institution.

FROM LT. COL. J. D. GRAHAM, U. S. A.

A Lunar Tidal Wave in Lake Michigan, demonstrated by Brevet Lieut. Col. J. D. Graham, U. S. Top. Eng. 8vo. Pamph., with plates. Philadelphia, 1860.

Reports of the Joint Commissioners, and of Lieut. Col. Graham, on Mason & Dixon's Line. 8vo. Washington, 1850.

On the Latitude and Longitude of Milwaukee, Prairie du Chien, Racine, and Madison, Wisconsin. By Lieut. Col. J. D. Graham. 8vo. 1860. (From the 4th Vol. Wisconsin Historical Soc. Coll.)

Annual Report of Brevet Lieut. Col. J. D. Graham, on the Improvement of the Harbors of Lakes Michigan, St. Clair, Erie, Ontario and Champlain. Accompanying the President's Message of Dec. 6, 1858. 8vo. Pamph. Washington, 1859.

Reports of Lt. Col. J. D. Graham on the Commerce and Improvement of Western Lake Harbors, made to the Secretary of War, 1854—1857. Senate Documents; 2 Vols. 8vo. Washington, 1857, 1858.

List of Light Houses, lighted beacons, and floating lights of the United States, prepared by the Light House Board. Corrected to January 1, 1858. 8vo. Pamph. Washington, 1858.

Report to the House of Delegates of Maryland, by James Higgins, M. D., State Agricultural Chemist. 8vo. Pamph. Annapolis, 1850.

Geological Survey of Canada. Report of Progress, for the years 1853, '54 '55 '56 and '57. 2 Vols., 8vo. Toronto, 1857 and 1858.

Plans of various Lakes and Rivers between Lake Huron and the River Ottawa, to accompany the Geological Reports of Canada for 1853, '54, '55 and '56. 1 vol., folio. Toronto, 1857.

Proceedings of the American Philosophical Society, Vols. II—VI, and a portion of Vols. I and VII. 8vo. Philadelphia, 1838—1860.

Proceedings of the Academy of Natural Sciences of Philadelphia, Vols. I—X. 8vo. Philadelphia, 1848—1858.

Proposal for the publication of a new English Dictionary by the Philological Society. 8vo. Pamph. London, 1859.

The Great Auroral Exhibition of Aug. 28th to Sept. 4th, 1859. Selected from the Smithsonian Papers. By Prof. E. Loomis. From the Am. Jour. of Science and Arts, Vol. XXX, Nov. 1860. 8vo. Pamph. New Haven, 1860.

The Mosaic account of the Creation. By James C. Fisher, M. D. Memb. Acad. Nat. Sci. Philadelphia. 8vo. Pamph. Philadelphia, 1858.

Notice of some remarks by the late Mr. Hugh Miller, author of "The Testimony of the Rocks," &c., entitled "The Testimony of the Rocks, or Geology in its bearings on the two Theologies, Natural and Revealed." By W. P. Foulke. 8vo. Pamph. Philadelphia.

The Chalchihuitl of the Ancient Mexicans; its locality and association, and its identity with Turquois. By Wm. P. Blake. From the American Journal of Science and Arts, Vol. XXV. March, 1858. 8vo. Pamph. New Haven, 1858.

Report on Salt, by Prof. Geo. H. Cook, to Harvey Rhodes, Esq., Sup't. Onondaga Salt Springs. From Trans. N. Y. State Agricultural Society, 1853, Vol. XIII. 8vo. Pamph. Albany, 1853.

On the quantitative Assay of Chromium by blowpipe processes. By Eugene W. Hilgard, Ph. D. From Proc. Am. Assoc. Adv. Sci. 8vo. Pamph.

Report of Commissioners on the Artificial Propagation of Fish, with other documents. Mass. Senate Doc. 8vo. Pamph. Boston, 1857.

Recherches sur le Pouls au Moyen d'une Nouvel Appareil Enregistreur, le Sphygmographie, presente a la Societe de Biologie par le Docteur J. Maury. 8vo. Pamph. Paris, 1860.

FROM DR. E. D. KIRROX.

Encyclopaedia Britannica. Third Edition. 20 vols. text and 2 vols. plates. 4to. Edinburgh, 1797—1801.

xlix.

Life of the Rev. William Kirby. By John Freeman. 1 vol., 8vo. London, 1852.

FROM THE HON. JAS. H. WOODWORTH.

Narrative of the Expedition of an American Squadron to the China Seas and Japan, performed in the years 1852, 1853 and 1854, under the command of Com. M. C. Perry, U. S. Navy. By Francis L. Hawks. 3 vols. 4to. Washington, 1856.

Reports of Explorations and Surveys to ascertain the most Practicable and Economical Route for a Railroad from the Mississippi River to the Pacific Ocean. Vols. II, III, IV, VII, and VIII. U. S. Congressional Docs. 4to. Washington, 1855—1857.

U. S. Naval Astronomical Expedition to the Southern Hemisphere, during the years 1849, '50, '51, and '52. By Lieut. J. M. Gilliss, A. M., Superintendent of the Expedition. Vols. I, II, and VI. U. S. Congressional Docs. 4to. Washington, 1855.

FROM DR. I. A. LAPHAM.

Description of the Skeleton of the Mastodon Giganteus of North America. By Jas. C. Warren, M. D. 1 vol., 4to. Boston 1855.

The Antiquities of Wisconsin, as surveyed and described by I. A. Lapham. 1 vol., 4to. Washington, 1855. (Extr. Smithsonian Cont. to Knowledge, Vol. VII.)

Transactions of the Wisconsin State Agricultural Society, for the years 1854, '55, '56, and '57. Vol. IV. 8vo. Madison, 1857.

FROM DR. JOHN M. WOODWORTH.

Reports of Explorations and Surveys to ascertain the most Practicable and Economical Route for a Railroad from the Mississippi River to the Pacific Ocean, etc. Vol. I. U. S. Congressional Doc. 4to. Washington, 1854.

Exploration of the Red River of Louisiana in the year 1852, by Capt. Randolph B. Marcy, U. S. A., with Reports on the Natural History of the Country and numerous Illustrations. Vol. I. U. S. Congressional Doc. 8vo. Washington, 1854.

Report of the Superintendent of the Census for Dec 1, 1852, to which is appended the Report for Dec. 1, 1851. Printed by order of the House of Representatives of the U. S. 1 vol., 8vo. Washington, 1854.

Statistical View of the United States, etc., being a Compendium of the Seventh Census, to which are added the Results of every previous Census. By J. D. B. DeBow, Superintendent. 1 vol., 8vo. Washington, 1857.

Message of the President of the United States to the two Houses of Congress at the commencement of the Second Session of the 35th Congress, with accompanying Documents, abridged. 1 vol., 8vo. Washington, 1858.

Report on the Geological and Mineralogical Survey of the Mineral Lands of the United States in the State of Michigan, by Charles T. Jackson, U. S. Geologist; together with the Reports of the Commissioners of Indian Affairs and of Pensions. (Message and Documents, 1849-'50, Part III.) 1 vol., 8vo. Washington, 1850.

Transactions of the Illinois State Agricultural Society, with Notices and Proceedings of County Societies and Kindred Associations. John A. Kennicott, Editor. S. Francis, Cor. Sec., in charge. Vol. II. 8vo. Springfield, 1857.

#### FROM THE ENTOMOLOGICAL SOCIETY OF PHILADELPHIA.

Charter and By-Laws of the Entomological Society of Philadelphia. 8vo. Pamph. Philadelphia, 1862.

Proceedings of the Entomological Society of Philadelphia. Vols. I—III. 8vo. Philadelphia, 1851—1864.

#### FROM THE ESSEX INSTITUTE.

Journal of the Essex County Natural History Society; containing various communications to the Society. 1 vol., 8vo. Salem, 1852.

Act of Incorporation, Constitution, and By-Laws of the Essex Institute, incorporated Feb. 1848, with a Catalogue of the Officers and Members. 8vo. Pamph. Salem, 1855.

Proceedings of the Essex Institute, Vols. I—III, and Vol. IV, Parts 1—5. 8vo. Salem, 1856—1865.

The Naturalist's Directory, Part I. By F. W. Putnam. 12mo. Pamph. Salem, 1865.

#### FROM DR. WILLIAM STIMPSON.

The Fresh Water and Land Shells of Vermont. By Charles B. Adams, A. M. 8vo. Pamph. (From Thompson's History of Vermont.)

A Synoptical List of the British Species of *Teredo*; with a Notice of the Exotic Species. By J. Gwyn Jeffreys, F. R. S. 8vo. Pamph. London, 1860.

Description of a New Species of *Pleurocera*; of a New Species of *Teredo* from New Bedford, Mass.; of two New Species of Mexican Land Shells; and Synonymy of the species of *Strepomatidae*, Part I. By George W. Tryon, Jr. 8vo. Pamph. Philadelphia, 1863.

Echinidae, Recent and Fossil, of South Carolina. By Edmund Ravenel, M. D. 8vo. Pamph. Charleston, 1848.

Diagnoses Specierum Novarum e Genere Lepidopterum Diurnorum Adolias, &c. By Dr. S. C. Snellen Van Vollenhoven. 8vo. Pamph. Amsterdam, 1862.

Proceedings of the National Institute, New Series, Vol. I, No. 3. 8vo. Pamph. Washington, 1857.

On the Application of Chemical Science to Agriculture. By Thomas Antisell, M. D. 8vo. Pamph.

Synopsis of the Echinoids collected by Dr. Wm. Stimpson on the North Pacific Exploring Expedition, under the command of Captains Ringgold and Rodgers. By Alex. Agassiz. 8vo. Pamph. Philadelphia, 1863.

An Essay on the Literary Institution best adapted to the present Wants and Interests of our Country. 8vo. Pamph. Columbia, S. C., 1857.

Review of Marcou's Geology of North America. By James D. Dana. 8vo. Pamph. New Haven, 1858.

Review of Agassiz' Contributions to the Natural History of the United States. By J. D. Dana. 8vo. Pamph. New Haven, 1858.

Conspectus Crustaceorum, &c., including the Crustacea Cancroidea and Corystoidea. By James D. Dana. 8vo. Pamph. New Haven, 1852.

Conspectus Crustaceorum, &c., including Paguridea, Megalopidea, and Macrura. By James D. Dana. 8vo. Pamph. New Haven, 1852.

Conspectus Crustaceorum, &c., Calanidae. By James D. Dana. 8vo. Pamph. New Haven, 1848.

On the Classification of the Corystoidea, Paguridea, &c. By James D. Dana. 8vo. Pamph. New Haven, 1852.

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On a New Genus of Orchestidae; and on the Genus Astrea. By Jas. D. Dana. 8vo. Pamph. New Haven, 1851.

Report on the Marine Fauna of the South and West Coasts of Ireland. Part I. By E. Perceval Wright, and J. Reay Green. 8vo. Pamph. London, 1859.

Papers on Natural History. By W. H. Harvey, M. D., E. Perceval Wright, A. H. Halliday, and Jas. R. Green. 8vo. Pamph. Dublin, 1857.

On Marcou's "Geology of North America." By Prof. Agassiz. 8vo. Pamph. New Haven, 1859.

Contemplations of God in the Kosmos. By L. Agassiz. From the Christian Examiner and Religious Miscellany. 8vo. Pamph. Boston, 1851.

**The Primitive Diversity and Number of Animals in Geological Times.** By L. Agassiz. 8vo. Pamph. New Haven, 1861.

**On the Origin of Species.** By L. Agassiz. 8vo. Pamph. New Haven, 1860.

**On Extraordinary Fishes from California, constituting a New Family.** By L. Agassiz. 8vo. Pamph. New Haven, 1853.

**On the Ichthyological Fauna of the Pacific Slope of North America.** By L. Agassiz. 8vo. Pamph. New Haven, 1855.

**On the Principles of Classification in the Animal Kingdom; on the Structure of the Halcyonoid Polypi; and on the Morphology of the Medusae.** By Louis Agassiz. 8vo. Pamph. Charleston, 1850.

**Descriptions of New Genera and Species of North American Frogs.** By Spencer F. Baird. 8vo. Pamph. Philadelphia, 1854.

**Descriptions of New Species of Birds, with Notes on a collection of Birds made by John Xantus, Esq., at Cape St. Lucas, Lower Cal.** By S. F. Baird. 8vo. Pamph. Philadelphia, 1859.

**Characteristics of some New Species of Mammalia, collected by the U. S. and Mexican Boundary Survey, Major W. H. Emory, U. S. Army, Commissioner.** By Spencer F. Baird. 8vo. Pamph. Philadelphia, 1855.

**Characteristics of some New Reptiles in the Museum of the Smithsonian Institution.** By Spencer F. Baird and Charles Girard. 8vo. Pamph. Philadelphia, 1852.

**Descriptions of new Fishes collected by Dr. A. L. Heermann, Naturalist attached to the Survey of the Pacific Railroad Route, under Lieut. R. S. Williamson, U. S. A.** By Charles Girard. With a Notice of a new genus of Cyprinidae. By S. F. Baird and Charles Girard. 8vo. Pamph. Philadelphia, 1854.

**Remarks on the Lower Cretaceous Beds of Kansas and Nebraska, together with descriptions of some New Species of Carboniferous Fossils from the Valley of the Kansas River.** By F. B. Meek and F. V. Hayden, M. D. 8vo. Pamph. Philadelphia, 1858.

**Remarks on certain species of North American Helicidae, with descriptions of new species.** By Thomas Bland. 8vo. Pamph. New York, 1860.

**Remarks on Classifications of North American Helices by European Authors, and especially by H. & A. Adams, and Albers.** By Thomas Bland. 8vo. Pamph. New York, 1863.

FROM I. A. POOL, Esq.

**Reports of the Secretary of the Navy, and the Postmaster General,**

accompanying the President's Message, 1st Session, 34th Congress. (Message and Docs., Part III.) 1 vol., 8vo. Washington, 1855.

Maps and Views accompanying the President's Messages at the two Sessions of the 33rd Congress. 2 vols., 4to. Washington, 1853—1854.

Report of the Secretary of the Treasury on the State of the Finances for the years ending June 30, 1856, and June 30, 1858. 2 vols. 8vo. Washington, 1856 and 1858.

FROM THE U. S. STATE DEPARTMENT.

Report on the Commercial Relations of the United States with all Foreign Nations. Prepared and printed under the direction of the Secretary of State. By E. Flagg, Sup't. Congressional Docs. 4 vols., 4to. Washington, 1856, 1857.

Report on the Commercial Relations of the United States with Foreign Nations for the year ending Sept. 30, 1860. Senate Doc. 1 vol., 4to. Washington, 1861.

FROM THE U. S. TREASURY DEPARTMENT.

Report from the Secretary of the Treasury transmitting a Report from the Register of the Treasury of the Commerce and Navigation of the United States for the year ending June 30, 1859. 1 vol., 8vo. Washington, 1859.

FROM THE U. S. DEPARTMENT OF THE INTERIOR.

Report on the Geology of the Lake Superior Land District. By J. W. Foster and J. D. Whitney, U. S. Geologists. Part II. 1 vol., 8vo. With an 8vo portfolio of Maps. Washington, 1851.

FROM PROF. ALEXANDER WINCHELL.

First Biennial Report of the Progress of the Geological Survey of Michigan, embracing Observations on the Geology, Zoology and Botany of the Lower Peninsula. By Alex. Winchell. 1 vol., 8vo. Lansing, 1861.

Notice of the Rocks lying between the Carboniferous limestones of the Lower Peninsula of Michigan, and the limestones of the Hamilton Group, with descriptions of some Cephalopods supposed to be new to Science. By Alexander Winchell, State Geologist of Michigan. 8vo. Pamph. New Haven, 1862.

Descriptions of Fossils from the Marshall and Huron Groups of Michigan. By Alex. Winchell. 8vo. Pamph. Philadelphia, 1862.



FROM THE ROYAL METEOROLOGICAL INSTITUTE OF HOLLAND.

Meteorologische Waarnemingen in Nederland, en zijne Bezittingen, en Afwijkingen van Temperatuur en Barometerstand op vele Plaatsen in Europa. Uitgegeven door het Koninklijk Nederlandsch Meteorologisch Instituut, 1862 and 1863. 3 vols., 4to. Utrecht, 1863-'64.

Koninklijk Nederlandsch Meteorologisch Instituut. Maandelijksche Zeilaandwijzingen van Java naar het Kanall. Parts I and II. 4to. Utrecht 1859-'60.

Koninklijk Nederlandsch Meteorologisch Instituut. Uitkomsten van Wetenschap en Ervaring aangaande Winden Zeestroomingen in Sommige gedeelten van den Ocean. 3 vols., 1856, 1857 and 1859. 4to. Utrecht.

FROM THE IMPERIAL GEOLOGICAL STATE-INSTITUTION OF AUSTRIA.

Jahrbuch der Kaiserlich-Königlichen geologischen Reichsanstalt. Jahrgänge I—III, V—VII, u. VIII, Nros. 1—3. Roy. 8vo. Vienna, 1850—1852; 1854—1857.

FROM THE GERMAN IMPERIAL ACADEMY OF NATURALISTS.

Novorum Actorum Academiae Caesareae Leopoldino-Carolinæ Germanicae Naturae Curiosorum. Tom XXVIII. 4to. Jenae, 1861.

FROM THE NATURAL HISTORY SOCIETY OF EMDEN.

Jahresbericht der Naturforschenden Gesellschaft in Emden. 48th and 49th years, 1862—63. 2 Pamphs. 8vo. Emden, 1863—1864.

Das geographische System der Winde über dem atlantischen Ocean, etc., von Dr. M. A. F. Prestel. Kleine Schriften der Naturf. Gesellsch. in Emden, X. 4to. Pamph. Emden, 1863.

Ergebnisse der Witterungs-Beobachtungen zu Emden in dem Jahre 1862 und 1863, etc., von Dr. M. A. F. Prestel. Kleine Schriften der Naturf. Gesellsch. in Emden, XI. 4to. Pamph. Emden, 1864.

FROM THE ROYAL INSTITUTION FOR THE BLIND AT DRESDEN.

Jahresbericht über die Königliche Blinden-Anstalt zu Dresden auf das Jahr 1858. 8vo. Pamph.

FROM THE ZOOLOGICAL AND MINERALOGICAL ASSOCIATION OF REGENSBURG.

Correspondenz-Blatt des Zoologisch-Mineralogischen Vereines in Regensburg. Seibenzehnter Jahrgang. 1 vol., 8vo. Regensburg, 1863.

FROM THE NATURAL HISTORY ASSOCIATION OF RIGA.

Correspondenz-Blatt des Naturforschenden Vereins zu Riga. Redigirt von Apotheker E. L. Seezen. Dreizehnter Jahrgang. 1 vol., 8vo. Riga, 1863.

FROM THE SILESIAN SOCIETY OF NATIONAL CULTURE.

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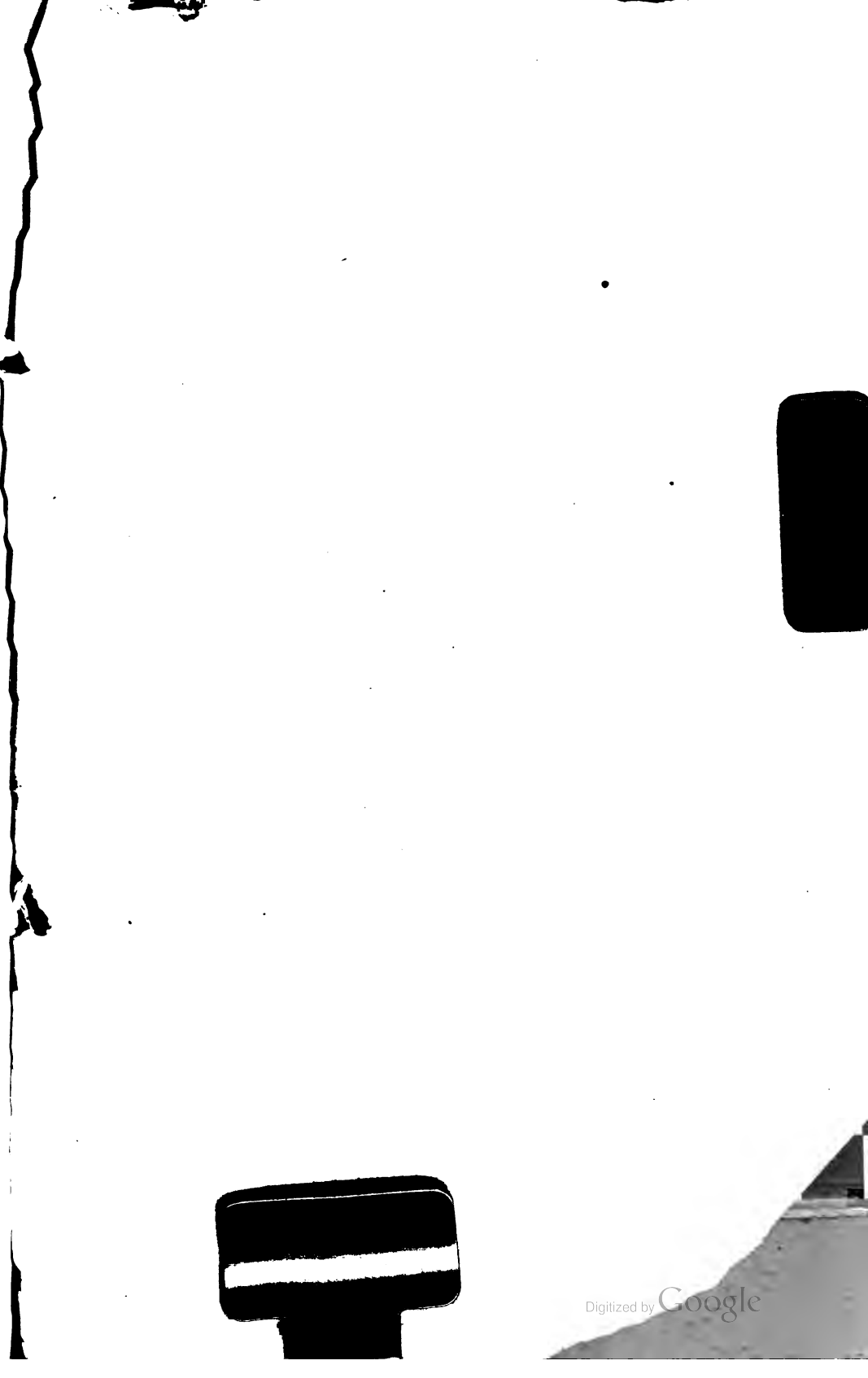
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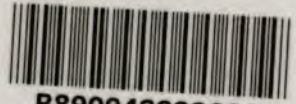
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